	()
	382- WORK PERMIT # W/ 828801 H/
ILR / Work O	order # 386 Dept. <u>2C.</u> Construction Job # Tracking # Account # <u>89195</u>
	ester fills out this section
Start Date 1/2	person (if different from requester): Phone No. 7777
Building	832 Room Meh BAY Equipment
2. Work requ	ester, work provider, and ES&H (as necessary) jointly fill out this section or attach applicable
hazard analys	is
Hazard Anal	<u>VS1S</u>
RADIATION CONCERNS	NONE [] Activation [] Airborne [] Contamination [] Radiation [] OTHER
SAFETY CONCERNS	[] NONE [] Corrosive [] Flammable Material Handling [] Rigging/Critical Lift [] Asbestos [] Cryogenic ' [] Furnes/Mist/Dust [] Noise [] Toxic [] Biohazard [] Electrical [] Heat/Cold Stress [] Non-ionizing Radiation [] Vacuum [] Chemicals [] Elevated Work [] Hydraulic [] Oxygen Deficiency [] OTHER
ventilat Notify	L CONCERNS [] OTHER ous materials will be released to the air via a new/modified ion system, hood, or stack (ES&H 6.1.4 and 6.1.5) Project Engineer, Environmental Protection Office Services) [] OTHER [] New hazardous materials will be released via the liquid effluent system to the sewage treatment system or an impoundment (ES&H 6.1.2) Notify Regulatory Compliance Engineer, Environmental Protection Office (ES&H Services) for permit.
Waste Generate Waste d	d [X] NONE [] Clean Waste [] Hazardous Waste [] Radioactive Waste [] Mixed Waste isposition by:
Based on analysis o	above, the Review Team determines the job hazard category:
	D CATEGORY: X MODERATE HIGH
	Job Safety Analysis (JSA) Required? XNo Yes (Please attach)
Work Contro	DANOVE CO.
WORK PRACTICES	NONE Containment Scaffolding - requires inspection Scaffol
PROTECTIVE EQUIPMENT	[] NONE [] Ear Plugs [] Gloves [] Lab Coat [] Safety Glasses . [] Coveralls [] Ear Muffs [] Goggles [] Respirator [] Safety Harness [] Disposable Clothing [] Face Shield [] Hard Hat [] Rubbers [] Safety Shoes [] OTHER
PERMITS REQUIRED	Initial next to box to show who has responsibility to generate the permit [] Confined Space Entry (ES&H 2.2.4) [] Digging/Core Drilling(ES&H 1.18.0) [] Impair Fire Protection Sys. (ES&H 4.2.0) [] Cutting/Welding (ES&H 4.3.0) [] Electrical Working Hot (ES&H 1.5.0) [] Rad Work Permit (BNL RadCon Manual) [] Dept/Div Specific Permit [] Dept/Div Specific Permit
OOSIMETRY/ MONITORING	[X] NONE [] O ₂ /Combustible Gas [] Self-reading Dosimeter [] Heat Stress Monitor [] Passive Vapor Monitor [] Sorbent Tube/Filter Pump [] Noise Survey/Dosimeter [] Real Time Monitor [] TLD [] OTHER
aining Req	uirements (List below any location specific training requirements)
(II)	

3. Both work requ	uester and work provider coord	linate on work t	olan (use attachments fo	and detailed almost
WORK Plan (proced	dures timing nerconnal etc.).			
1- 5Kill	OF CRAFT (VES	SE/ 1.67	-11 10-11	
2- Foli	low ATTACKED	SE	Ed 4 17UDED 6	y KILLERS)
3- PM	ouide blocking	10 15	- 1 /	
	DIGE DICKING	AS MEE	ded	
		- 1		
				3
Special Working Co	onditions Required:	- W. C. (1976)		
Operational Limits				
Post Work Testing I	Required			
Reviewed Bv: *N	ote: Primary facility reviewer will,did	ctate the other rea	oined atmosphere	
Title	Name (print)			- 12000
Primary Reviewer	Collins V	16.0	Signature	Life # Date
ES&H Services	Variation of	All us	7,000	14795 10-14.9
Other *	NAME O	At Ho	me	19894 10/14/48
Offici	CHALLEY, I	James KO	Traller	21336 10-14-98
4 .Ioh site personi	nel fills out this section			
Note: Signature indice	tel fills out this section	. , ,		
Toh Cite Conervisor	ates personnel performing work have	read and understa	nd the hazards and permit r	equirements
XX7 1	O'MALLEY, JAMES		tor Supervisor	
Workers:	Life #	Workers	s:	Life#
(*)				
5. Work Requester	or designee fills out this sectio	าท		
Name Collin	opropriate to Start Work: (w	ork permit has been rev	riewed, work controls are in place,	, and site is ready for job.)
		Mun	Life # / <u>47</u>	795 Date 10-14-98
	determines if Post Job Review	is required		
YES X N				
Post Job Review by I	ES&H Coordinator:		Life #:	Date:
2000	Name	a	Initial	Date
Other Closeout Signa	atures (as necessary):	<u> </u>	Life #:	D-4
Other Closeout Signa	atures (as necessary):		Life #: Life #:	
			Life #	Date:
7 Warley provider	C 27 1			
7. Worker provides				
Worker Feedback		Control of the second s		
Supervisor: Is worke	er feedback required on this job?	NO	YES (attach feed)	hack form)
Worker: Any feedba	ick on safety concerns or			Sack Torney
o.mor. This recuba	ck on safety concerns of			

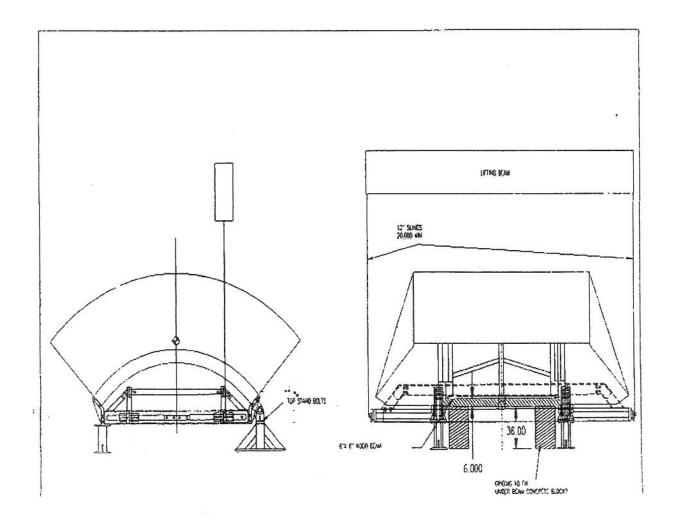
Transition Plate Change from FSU Pivot to BNL Pivot

- 1. Shackle the lift beam to the crane with four equal length slings attached.
- 2. Move the crane into position above vessel and attach slings to lifting frame.
- 3. Undo the top (pivot end) stand bolts.
- 4. Lift vessel with crane about 1/2".
- 5. Install blocking under the pivot end of the vessel, leaving about 1/32" extra clearance.
- 6. Install blocking under the pivot end of the lift fixture.
- 7. Install blocking under the lift fixture at the non-pivot end of the vessel.
- 8. Lower crane. Vessel and lift fixture weight is now entirely supported by blocking under lift fixture.
- 9. Remove the top (pivot end) stands.
- 10. Place a jack under the corner of the vessel at which the first pivot is to be changed. This will be used to make minute adjustments to the relative height of lift fixture and vessel when removing bolts. The vessel will flex sufficiently to allow small adjustments to one corner at a time.
- 11. Remove the 1"-8 bolts from the the lifting fixture end of the transition plate.
- 12. Remove the 1"-8 bolts from the 1"-8 bolts from the vessel end of the transition plate and lift the transition plate away from the vessel.
- 13. Install the new pivot. Check that the distance between the two pivot centers is 118.5".
- 14. Bolt the new transition plate to the lifting fixture, leaving the bolts slightly loose.
- 15. Line up the holes in the transition plate with the holes in the pivot, and bolt them together.
- 16. Tighten the bolts holding the transition plate to the lifting fixture.
- 17. Install blocking at the appropriate height under the ends of the new pivot.
- 18. Repeat steps 10 through 17 for the other corner at which the pivot is to be changed.
- 19. The vessel is now completely reattached to the lifting fixture. Lift the vessel ½" using the crane, and remove all temporary blocking. Lower the vessel onto the blocking under the newly installed pivot, and onto the stand at the non-pivot end.

TRANSITION PLATE CHANGE FROM FSU PIVOT TO BNL PIVOT

ST DANTI

- 1. Shackle lift beam to crane with sings attached.
- 2. Move crane into position above pivot end of vessel.
- 3. Attach slings to lifting frame.
- 4. Undo top stand bolts.
- Lift with crane till top stands are about 1/2" above stand base.
- 6. Install 6" beam and blocks under end of vessel.
- 7. Lower crane, vessel weight will now be on the beam and blocks.
- 8. Keep slings tight they will have the weight of frame.
- 9. Remove top stands.



- 10. Remove pivots from vessel transition plates
- 11. Remove 1"-8 bolts from frame end of transition plate.
- 12. Check crane position.
- 13. Remove 1"-8 bolts from vessel transition plate lift plate away from vessel.
- 14. Install 1008 pivot to vessel check distances between centers

of pivots is 118 1/2".

- 15 Install trans plate on to frame leaving bolts loose line up holes on pivot, bolt to pivot.
- 16 Install block under pivot.
- 17. Lower with crane onto block.

